Project Title	Funding	Institution
ACE Center: Cognitive affective and neurochemical processes underlying is in autism	$382,540	University of Illinois at Chicago
ACE Center: Development of categorization, facial knowledge in low & high functioning autism	$393,174	University of Pittsburgh
ACE Center: Diffusion tensor MRI + histopathology of brain microstructure + fiber pathways	$25	University of Pittsburgh
ACE Center: Disturbances of affective contact: Development of brain mechanisms for emotion	$157,387	University of Pittsburgh
ACE Center: Imaging the autistic brain before it knows it has autism	$206,070	University of California, San Diego
ACE Center: Mirror neuron and reward circuitry in autism	$305,987	University of California, Los Angeles
ACE Center: Neuroimaging studies of connectivity in ASD	$330,130	Yale University
ACE Center: Systems connectivity + brain activation: Imaging studies of language + perception	$439,282	University of Pittsburgh
A combined fMRI-TMS study on the role of the mirror neuron system in social cognition: Moving beyond correlational evidence	$0	University of California, Los Angeles
A comparative developmental connectivity study of face processing	$296,461	University of Kentucky
Action anticipation in infants	$99,789	University of Chicago
A developmental social neuroscience approach to perception-action relations	$144,259	Temple University
Analysis of brain microstructure in autism using novel diffusion MRI approaches	$0	Washington University School of Medicine
Analysis of Fgf17 roles and regulation in mammalian forebrain development	$52,154	University of California, San Francisco
Anatomy of primate amygdaloid complex	$114,105	University of California, Davis
A neural model of fronto-parietal mirror neuron system dynamics	$225,557	University of Maryland
Architecture of myelinated axons linking frontal cortical areas	$0	Boston University
Are neuronal defects in the cerebral cortex linked to autism?	$28,334	Memorial Sloan-Kettering Cancer Center
A study of the computational space of facial expressions of emotion	$285,938	The Ohio State University
A systematic test of the relation of ASD heterogeneity to synaptic function	$875,864	Stanford University
A systems biology approach to unravel the underlying functional modules of ASD	$655,975	University of California, San Diego
Attentional distribution and word learning in children with autism	$40,000	Brown University
Atypical late neurodevelopment in autism: A longitudinal MRI and DTI study	$491,943	University of Utah
Autism and the insula: Genomic and neural circuits	$620,305	California Institute of Technology
Autism-specific mutation in DACT1: Impact on brain development in a mouse model	$231,750	University of California, San Francisco
Autism spectrum disorders and the visual analysis of human motion	$250,000	Rutgers, The State University of New Jersey
Autistic endophenotypes and their associations to oxytocin and cholesterol	$84,750	Mount Sinai School of Medicine
BDNF secretion and neural precursor migration	$0	Dana-Farber Cancer Institute
Behavioral and functional neuroimaging investigations of visual perception and cognition in autistics	$127,168	Université de Montréal

Project Title	Funding	Institution
Behavioral and neural processing of faces and expressions in nonhuman primates	$396,000	Emory University
Behavioral and neural processing of faces and expressions in nonhuman primates (supplement)	$52,064	Emory University
Behavioral and sensory evaluation of auditory discrimination in autism	$151,692	University of Massachusetts Medical School
Brain circuitry in simplex autism	$187,500	Washington University in St. Louis
Brain lipid rafts in cholesterol biosynthesis disorders	$63,000	Medical College of Wisconsin
Canonical neural computation in autism spectrum disorders	$66,906	New York University
CAREER: Dissecting the neural mechanisms for face detection	$170,000	California Institute of Technology
CAREER: Enabling community-scale modeling of human behavior and its application to healthcare	$253,767	Dartmouth College
CAREER: Integrative behavioural and neurophysiological studies of normal and autistic cognition using video game environments	$140,000	Cornell University
CAREER: Model-based fMRI of human object recognition	$123,719	Georgetown University
CAREER: The neuro-cognitive evolution of speech-reading	$100,000	Princeton University
CAREER: The role of prosody in word segmentation and lexical access	$92,995	Michigan State University
CAREER: Typical and atypical development of brain regions for theory of mind	$89,214	Massachusetts Institute of Technology
CDI-TYPE II: From language to neural representations of meaning	$525,000	Carnegie Mellon University
Cell adhesion molecules in CNS development	$541,105	The Scripps Research Institute
Cell type-based genomics of developmental plasticity in cortical GABA interneurons	$210,000	Cold Spring Harbor Laboratory
Cellular characterization of Caspr2	$23,907	University of California, San Diego
Cerebellar anatomic and functional connectivity in autism spectrum disorders	$246,178	University of Texas at Austin
Cerebellar modulation of frontal cortical function	$331,107	University of Memphis
Characterization of the mirror neuron system in 3-9 month old infants using the BabySQUID imaging system	$5,519	University of New Mexico
Characterization of the pathological and biochemical markers that correlate to the clinical features of autism	$0	Research Foundation for Mental Hygiene, Inc.
Characterization of the pathological and biochemical markers that correlate to the clinical features of autism	$0	Research Foundation for Mental Hygiene, Inc.
Characterization of the pathological and biochemical markers that correlate to the clinical features of autism	$0	Research Foundation for Mental Hygiene, Inc.
Chemosensory processing in chemical communication	$284,599	Florida State University
Children's causal learning and developing knowledge of mechanisms	$55,309	Brown University
Cochlear efferent feedback and hearing-in-noise perception in autism	$221,822	University of Rochester
Cognitive control in autism	$149,754	University of California, Davis

Project Title	Funding	Institution
Cognitive control of emotion in autism	$101,034	University of Pittsburgh
Cognitive mechanisms of serially organized behavior	$349,715	Columbia University
Cognitive mechanisms of serially organized behavior (supplement)	$25,029	Columbia University
Collaborative research: Detecting false discoveries under dependence using mixtures	$40,546	University of Maryland, Baltimore County
Collaborative research: Detecting false discoveries under dependence using mixtures	$20,000	North Carolina State University
Collaborative research: Learning complex auditory categories	$57,417	Carnegie Mellon University
Collaborative research: Learning complex auditory categories	$37,495	University of Arizona
Collaborative research: Modeling perception and memory: Studies in priming	$134,781	Indiana University
Collaborative research: Modeling perception and memory: Studies in priming	$90,146	University of California, San Diego
Collaborative research: RUI: Perceptual pick-up processes in interpersonal coordination	$47,288	College of the Holy Cross
Collaborative research: The path to verb learning	$66,000	Temple University
Collaborative research: The path to verb learning	$33,000	University of Delaware
Communicative and emotional facial expression production in children with autism	$212,250	University of Massachusetts Medical School
Complex decisions and the brain: An experimental and theoretical approach	$248,999	Cold Spring Harbor Laboratory
Connectivity of anterior cingulate cortex networks in autism	$128,739	New York University School of Medicine
Cortical mechanisms underlying visual motion processing impairments in autism	$0	Harvard Medical School/McLean Hospital
Creating a specimen bank of neurotypical individuals	$12,000	Health Research Institute
Defining cells and circuits affected in autism spectrum disorders	$820,059	The Rockefeller University
Defining the dynamics of the default network with direct brain recordings and functional MRI	$149,942	University of Washington
Dendritic organization within the cerebral cortex in autism	$110,966	The Open University
Description and assessment of sensory abnormalities in ASD	$18,968	Center for Autism and Related Disorders (CARD)
Developing novel automated apparatus for studying battery of social behaviors in mutant mouse models for autism	$217,948	Weizmann Institute of Science
Development of brain connectivity in autism	$262,100	New York School of Medicine
Development of face processing expertise	$360,996	University of Toronto
Development of the functional neural systems for face expertise	$496,073	University of California, San Diego
Development of the functional neural systems for face expertise (supplement)	$172,529	University of California, San Diego
Development of ventral stream organization	$136,047	University of Pittsburgh

Project Title	Funding	Institution
Dimensions of mind perception	$112,584	Harvard University
Doctoral dissertation research: Sign language in deaf and hearing autistic children	$5,930	University of Texas at Austin
Electrical measures of functional cortical connectivity in autism	$0	University of Washington
Elucidating the function of class 4 semaphorins in GABAergic synapse formation	$320,250	Brandeis University
Engrailed and the control of synaptic circuitry in drosophila	$112,500	University of Puerto Rico Medical Sciences Campus
Engrailed genes and cerebellum morphology, spatial gene expression and circuitry	$474,750	Memorial Sloan-Kettering Cancer Center
Evaluation of sleep disturbance in children with ASD	$27,456	Center for Autism and Related Disorders (CARD)
Excessive cap-dependent translation as a molecular mechanism underlying ASD	$549,386	New York University
Experience and cognitive development in infancy	$101,841	University of California, Davis
Exploring the uncanny valley	$90,500	Carnegie Mellon University
Face perception: Mapping psychological spaces to neural responses	$119,998	Stanford University
fMRI studies of cerebellar functioning in autism	$49,000	University of Illinois at Chicago
fMRI studies of neural dysfunction in autistic toddlers	$582,409	University of California, San Diego
fMRI study of reward responsiveness of children with autism spectrum disorder	$49,846	University of California, Los Angeles
Functional analysis of neurexin IV in Drosophila	$148,746	University of California, Los Angeles
Functional anatomy of face processing in the primate brain	$1,877,600	National Institutes of Health
Functional neuroanatomy of developmental changes in face processing	$70,669	University of Kentucky
Functional neuroanatomy of developmental changes in face processing	$236,799	Medical University of South Carolina
Functional neuroanatomy of developmental changes in face processing (supplement)	$7,722	University of Kentucky
Function and dysfunction of neuroligins in synaptic circuits	$150,000	Stanford University
Function and structure adaptations in forebrain development	$580,377	University of Southern California
Function of neurexins	$464,471	Stanford University
GABA(A) receptor modulation via the beta subunit	$226,499	Emory University
GABAergic dysfunction in autism	$290,090	University of Minnesota
Gamma band dysfunction as a local neuronal connectivity endophenotype in autism	$78,797	University of Colorado Denver
Gene expression and laminar analyses of pathological cortical patches in autism	$199,739	University of California, San Diego
Genetic studies of autism-related Drosophila neurexin and neuroligin	$137,500	The University of North Carolina at Chapel Hill
Glial control of neuronal receptive ending morphology	$422,500	The Rockefeller University

Project Title	Funding	Institution
Glutamate receptor desensitization and its modulation	$328,338	Colorado State University
Gross morphological correlates to the minicolumnopathy of autism	$259,000	University of Louisville
HCC:Small:Computational studies of social nonverbal communication	$165,307	University of Southern California
High-throughput DNA sequencing method for probing the connectivity of neural circuits at single-neuron resolution	$435,000	Cold Spring Harbor Laboratory
Homeostatic regulation of presynaptic function by dendritic mTORC1	$31,705	University of Michigan
HSD: Collaborative research: Evolutionary, developmental, and neurobiological sources of moral judgments	$90,074	University of Southern California
HSD: Collaborative research: Evolutionary, developmental, and neurobiological sources of moral judgments	$143,883	Harvard University
HSD: Collaborative research: Evolutionary, developmental, and neurobiological sources of moral judgments	$95,323	Rutgers, The State University of New Jersey - New Brunswick
Identification of candidate genes at the synapse in autism spectrum disorders	$167,751	Yale University
Identifying brain-based biomarkers for ASD & their biological subtypes	$1,224,886	New York State Psychiatric Institute
II-EN: City University of New York - Computing research infrastructure	$150,803	College of Staten Island (City University of New York)
Imaging brain and movement in ASD	$270,358	University of California, San Diego
Imaging PTEN-induced changes in adult cortical structure and function in vivo	$278,686	University of California, Los Angeles
Imaging signal transduction in single dendritic spines	$386,100	Duke University
Imaging synaptic neurexin-neuroligin complexes by proximity biotinylation: Applications to the molecular pathogenesis of autism	$0	Massachusetts Institute of Technology
Infants' developing representation of object function	$63,259	University of California, Davis
Informational and neural bases of empathic accuracy in autism spectrum disorder	$28,000	Columbia University
Integrative functions of the planum temporale	$411,394	University of California, Irvine
Investigation of cortical folding complexity in children with autism, their autism-discordant siblings, and controls	$100,000	Stanford University
Is there a hierarchy of social inference? Intentionality, mind, and morality	$67,911	Brown University
Kinetics of drug macromolecule complex formation	$729,415	University of California, San Diego
Language and social communication in autism	$3,039	University of California, Los Angeles
Learning and compression in human working memory	$84,000	Harvard University
Linguistic perspective-taking in adults with high-functioning autism: Investigation of the mirror neuron system	$25,570	Carnegie Mellon University
Linking local activity and functional connectivity in autism	$369,635	San Diego State University
Longitudinal neurodevelopment of auditory and language cortex in autism	$27,522	University of Utah
MEG investigation of phonological processing in autism	$28,000	University of Colorado Denver

Project Title	Funding	Institution
MEG investigation of the neural substrates underlying visual perception in autism	$126,317	Massachusetts General Hospital
Metacognition in comparative perspective	$234,705	University at Buffalo, The State University of New York
Met signaling in neural development and circuitry formation	$81,998	University of Southern California
Mimicry and imitation in autism spectrum disorders	$0	University of Connecticut
Molecular mechanisms regulating synaptic strength	$296,257	Washington University
Morphogenesis and function of the cerebral cortex	$409,165	Yale University
Morphological decomposition in derived word recognition: Single trial correlational MEG studies of morphology down to the roots	$204,301	New York University
Motor control and cerebellar maturation in autism	$154,143	University of Illinois at Chicago
Motor skill learning in autism	$454,262	Kennedy Krieger Institute
MRI: Acquisition of a high-density electrophysiology laboratory for intercollegiate research and training in cognitive neuroscience	$137,003	Scripps College
Multidimensional impact of pain on individuals and family functioning in ASD	$15,000	The Research Foundation of the State University of New York
Multimodal analyses of face processing in autism & down syndrome	$156,083	University of Massachusetts Medical School
Multimodal brain imaging in autism spectrum disorders	$167,832	University of Washington
Multiple systems in theory of mind development	$163,096	Rutgers, The State University of New Jersey - New Brunswick
Multisensory processing in autism	$0	University of North Carolina at Chapel Hill
Neural bases of semantic interpretation	$100,013	New York University
Neural basis for the production and perception of prosody	$80,190	University of Southern California
Neural basis of audiovisual integration during language comprehension in autism	$0	University of Rochester
Neural basis of behavioral flexibility	$367,565	Mount Sinai School of Medicine
Neural basis of cross-modal influences on perception	$156,424	University of California, San Diego
Neural basis of empathy and its dysfunction in autism spectrum disorders (ASD)	$572,893	Duke University
Neural basis of socially driven attention in children with autism	$0	University of California, Los Angeles
Neural correlates of maturation of face processing	$156,354	Stanford University
Neural correlates of social exchange and valuation in autism	$127,487	Baylor College of Medicine
Neural mechanisms for social cognition in autism spectrum disorders	$223,233	Massachusetts Institute of Technology
Neural mechanisms of tactile sensation in rodent somatosensory cortex	$284,334	University of California, Berkeley
Neural mechanisms underlying an extended multisensory temporal binding window in ASD	$28,000	Vanderbilt University
Neural substrate of language and social cognition: Autism and typical development	$50,474	Massachusetts Institute of Technology
Neural synchrony dysfunction of gamma oscillations in autism	$265,595	University of Colorado Denver

Project Title	Funding	Institution
Neural systems for the extraction of socially-relevant information from faces	$70,514	Dartmouth College
Neurexin-neuroligin trans-synaptic interaction in learning and memory	$100,000	Columbia University
Neurexin-neuroligin trans-synaptic interaction in learning and memory	$100,000	Columbia University
Neurobiological correlates of language dysfunction in autism spectrum disorders	$555,288	The Mind Research Network
Neurobiological mechanisms of insistence on sameness in autism	$28,000	University of Illinois at Chicago
Neurocognitive mechanisms underlying children's theory of mind development	$77,250	University of California, San Diego
Neurodevelopmental mechanisms of social behavior	$515,840	University of Southern California
Neuroimaging of social perception	$245,265	University of Virginia
Neuroimaging of top-down control and bottom-up processes in childhood ASD	$390,562	Georgetown University
Neuroligin regulation of central GABAergic synapses	$78,000	Duke University
Neuroligins and neurexins as autism candidate genes: Study of their association in synaptic connectivity	$60,000	University of California, San Diego
Novel approaches for investigating the neurology of autism: Detailed morphometric analysis and correlation with motor impairment	$127,500	Kennedy Krieger Institute
Novel computational methods for higher order diffusion MRI in autism	$704,302	University of Pennsylvania
Olivocerebellar circuitry in autism	$756,917	Boston University Medical Campus
Optical analysis of circuit-level sensory processing in the cerebellum	$48,612	Princeton University
Past, present, and future-oriented thinking about the self in children with autism spectrum disorder	$0	City University London
Perturbed activity-dependent plasticity mechanisms in autism	$311,292	Harvard Medical School
Phonological processing in the autism spectrum	$0	Heriot-Watt University
Physiological and behavioral characterization of sensory dysfunction in autism	$76,478	Thomas Jefferson University
Physiology of attention and regulation in children with ASD and LD	$374,693	Seattle Children's Hospital
Psychobiological investigation of the socioemotional functioning in autism	$348,750	Vanderbilt University
Psychophysiological mechanisms of emotion expression	$59,668	Georgia State University
Regulation of activity-dependent ProSAP2 synaptic dynamics	$41,380	Stanford University
Regulation of synaptogenesis by cyclin-dependent kinase 5	$342,454	Massachusetts Institute of Technology
Retrograde synaptic signaling by Neurexin and Neuroligin in C. elegans	$125,000	Massachusetts General Hospital
Review of the literature on selenocysteine metabolism and selenoproteins in autism	$3,000	Northeastern University School of Pharmacy
RNA-Seq studies of gene expression in cells and networks in FI and ACC in autism	$551,118	California Institute of Technology

Project Title	Funding	Institution
Role of autism-susceptibility gene, CNTNAP2, in neural circuitry for vocal communication	$0	University of California, Los Angeles
Role of GluK6 in cerebella circuitry development	$52,106	Yale University
Role of micro-RNAs in ASD affected circuit formation and function	$127,085	University of California, San Francisco
Role of neuroligin in synapse stability	$127,500	Oklahoma Medical Research Foundation
Role of neuroligins in long-term plasticity at excitatory and inhibitory synapses	$59,918	Albert Einstein College of Medicine of Yeshiva University
Role of neuronal migration genes in synaptogenesis and plasticity	$47,606	Weill Cornell Medical College
Role of Pam in synaptic morphology and function	$127,497	Massachusetts General Hospital
Roles of Wnt signaling/scaffolding molecules in autism	$28,000	University of California, San Francisco
Self-injurious behavior: An animal model of an autism endophenotype	$0	University of Florida
Sensory processing and integration in autism	$557,971	Albert Einstein College of Medicine of Yeshiva University
Serotonin signal transduction in two groups of autistic patients	$157,000	University of Illinois at Chicago
SGER: Learning and representation of cortical similarity of faces in individuals with autistic spectrum disorder	$33,333	Rutgers, The State University of New Jersey - Newark
Slick and Slack heteromers in neuronal excitability	$9,298	Yale University
Social and affective components of communication	$150,119	Salk Institute For Biological Studies
Social behavior deficits in autism: Role of amygdala	$79,438	State University of New York Upstate Medical Center
Statistical analysis of biomedical imaging data in curved space	$330,008	University of North Carolina at Chapel Hill
Stereological analyses of neuron numbers in frontal cortex from age 3 years to adulthood in autism	$127,422	University of California, San Diego
Structural and functional connectivity of large-scale brain networks in autism spectrum disorders	$165,629	Stanford University
Structural brain differences between autistic and typically-developing siblings	$12,333	Stanford University
Studies of social communication in speakers with autism spectrum disorder	$292,249	Yale University
Studies on protein synthesis and long-term adaptive responses in the CNS	$1,992,862	National Institutes of Health
Study of health outcomes in children with autism and their families	$4,197,414	The Lewin Group
Synaptic analysis of neuroligin1 function	$52,154	Stanford University
Synaptic processing in the basal ganglia	$382,323	University of Washington
Synchronous activity in networks of electrically coupled cortical interneurons	$24,981	University of California, Davis
Taste, smell, and feeding behavior in autism: A quantitative traits study	$576,270	University of Rochester
Testing neurological models of autism	$315,526	California Institute of Technology
Testing the effects of cortical disconnection in non-human primates	$75,000	The Salk Institute for Biological Studies
The cognitive neuroscience of autism spectrum disorders	$1,121,429	National Institutes of Health
The development of face processing	$512,804	Children's Hospital Boston

Project Title	Funding	Institution
The development of object representation in infancy	$258,335	University of California, Davis
The effects of Npas4 and Sema4D on inhibitory synapse formation	$0	Children's Hospital Boston
The integration of interneurons into cortical microcircuits	$150,000	New York University School of Medicine
The mechanism and significance of Evf ncRNA regulation of the DLX genes	$438,060	Children's Memorial Hospital, Chicago
The microstructural basis of abnormal connectivity in autism	$336,355	University of Utah
The neural basis of early action perception	$95,040	University of Washington
The neural basis of social cognition	$305,233	Indiana University
The neural correlates of transient and sustained executive control in children with autism spectrum disorder	$57,246	University of Missouri
The neural substrates of repetitive behaviors in autism	$42,111	Boston University Medical Campus
The neural substrates of social interactions	$27,327	University of Iowa
The role of CNTNAP2 in embryonic neural stem cell regulation	$150,000	Johns Hopkins University School of Medicine
The role of FOX-1 in neurodevelopment and autistic spectrum disorder	$142,677	University of California, Los Angeles
Time perception and timed performance in autism	$89,846	Kennedy Krieger Institute
Towards an endophenotype for amygdala dysfunction	$384,145	California Institute of Technology
Ube3a requirements for structural plasticity of synapses	$40,000	Univ of North Carolina
Understanding perception and action in autism	$0	Kennedy Krieger Institute
Using functional physiology to uncover the fundamental principles of visual cortex	$310,700	Carnegie Mellon University
Using genetically modified mice to explore the neuronal network involved in social recognition	$60,000	Haifa University
Visual perspective-taking and the acquisition of American Sign Language by deaf children with autism	$0	University of Texas at Austin
Visuospatial processing in adults and children with autism	$0	Carnegie Mellon University
White matter structural deficits in high functioning children with autism	$848	Feinstein Institute For Medical Research
Young development of a novel PET ligand for detecting oxytocin receptors in brain	$264,000	Emory University